6693

Diag'd. on Diag. Ch. No. 1264

Form 50

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. 2241 Office No. H-6693

LOCALITY

State Florida

General locality Gulf of Mexico

Locality Vicinity of Santa Rosa Island

194 1 & '47

CHIEF OF PARTY

W.Scaife & F.L.Peacock

LIBRARY & ARCHIVES

DATE Jan. 16, 1943

B-1870-1 (1)

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 2841

REGISTER NO. H-6693 H6693
StateFLORIDA
General locality Gulf of Mexico Vicinity of
Vicinity of Locality Santa Rosa Tsland
Scale 1:20,000 Date of survey July - Sept., 19 47
Vessel FARIS - HIGGINS
Chief of Party William Scaife
Surveyed by Ship's Officers
Protracted by J. D. Curd
Soundings penciled by J. D. Curd
Soundings in Anthony feet
Plane of reference
Subdivision of wire dragged areas by
Inked by Maxwell M. Rogers
Verified by Maskwell M. Rogers
Instructions dated June 24 and October 13, 1939 19
Remarks: This sheet was processed at the Norfolk
Processing Office.

U. S. GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT

TO ACCOMPANY

SHEET NO. H-6693

This one of a series of hydrographic sheets which were sent to this office by the Pensacola Processing Office for processing. Since no descriptive report was written by the field party or the Pensacola Processing Office, the following report is written in lieu of same.

INSTRUCTIONS:

This survey was executed under authority of the Director's Instructions for Project HT-236, dated June 24, 1939, and Supplemental Instructions, dated October 13, 1939.

LOCALITY:

This is an inshore survey along the coast of Florida and lies approximately between Grayton Beach and a point south of Wynne Haven Beach. It extends approximately 1/2 to 1 1/2 miles offshore, and lies between Longitude 86° 10' and Longitude 86° 47'.

CONTROL AND SIGNALS:

Triangulation previously established furnished the primary control. The secondary control consisted of topographic and hydrographic signals. *The topographic part, Review signal locations were gotten from a tracing furnished this office by the Pensacola Processing Office, while the hydrographic signal locations were determined by sextant cuts. *Topo. signals for 1941 work from T-685Gafband T-

SURVEY METHODS:

The usual visual method of three-point fixes was used throughout this survey. The soundings were obtained by the 808 type Submarine Signal Corporation fathometer.

SMOOTH PLOTTING:

The sounding records show no entries for barchecks or initial settings. No bar check corrections were, there-checks made fore, made in the sounding records. The initial setting shown on the fathometer at the beginning of each day was partic, Review taken to be correct, and corrections were made for any variation from the original setting. Corrections to soundings were also made for fathometer speed variations.

(sand ridges)

Attention is directed to shoals, appearing near the shoreline.

No bottom characteristics are shown on this sheet, as none were recorded in the sounding records.

DISCREPANCIES:

Latitude 30° 22.88! and Longitude 86° 46.18!; 155-157 C (red)
The soundings on this line appear to be a maximum of discrepancies eliminated after corrections applied from 1947 work—

The crossings in some portions of this survey show discrepancies of 2 to 3 feet, which may be due to the fact that no barcheck corrections were made.

DANGERS:

Except for a wreck which is shown near signal WREC wreckis in at Latitude 30° 23.30' and Longitude 86° 46.68', no depths of about other obstructions or dangers were found on this sheet. 3 feet

CHANNELS:

The Choctawhatchee Bay Entrance channel, which has an effective depth of 7 ft. was developed on this sheet.

JUNCTIONS WITH CONTEMPORARY SURVEYS:

This survey joins H-6694 on the east and H-6687 on the south. (For complete junctions see, par 4, Review)

Respectfully submitted,

Isadore M. Zeskind Associate Cartographic Engr.

1. Reskund

January 11, 1943 Norfolk Processing Office

Approved and forwarded

Paul C. Whitney Supervisor, Southeastern Dist.

STATISTICS

SHEET H-6693

Date Date	Day Letter	Vol. No.	Position	Stat. Miles
July 27,1941 July 28,1941 July 29,1941 July 30,1941 July 31,1941 Aug. 7, 1941 Aug. 8, 1941 Aug. 20, 1941 Aug. 21,1941 Aug. 9, 1941 Aug. 10,1941 Aug. 26,1941 Aug. 27,1941 Aug. 28,1941 Aug. 29,1941 Sept. 6,1941 Sept. 7,1941 Sept. 9,1941 Aug. 12,1941 Aug. 21,1941	A(Red) B " C " D " E " G " A (Red) B " C " C " C " C " C " C " C " C " C " C	4 & 5 - 6 6 6 6 6 7 7 8n) 8	64 130 191 170 87 124 53 43 18 79 142 186 65 22 27 104 82 90 37 67 45 47	44.3 72.8 90.4 96.8 48.7 51.3 10.0 11.1 3.7 21.9 29.6 26.0 36.0 8.8 17.6 50.0 54.1 50.4 18.8 39.4 17.8 17.8
<u>.</u>		Total	1,873	817.3

FORM 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Ed. Feb. 1935

.)

TIDE NOTE FOR HYDROGRAPHIC SHEET

January 21, 1942.

Division of Hydrography and Topography:-

Division of Charts: Attention: Mr. H. R. Edmonston.

Tide Reducers are approved in g volumes of sounding records for

HYDROGRAPHIC SHEET 6693

Locality Off Santa Rosa Island, Gulf of Mexico.

Chief of Party: Wm. Scaife in 1941
Plane of reference is mean low water reading
3.4 ft. on tide staff at Destin, East Pass.
26.6 ft. below B.M. 1

Height of mean high water above plane of reference is 0.6 foot.

Condition of records satisfactory except as noted below:

Chief, Division of Tides and Currents.

6 % Theen

U. S. COVERNMENT PRINTING OFFICE

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. H6693 - 1941

Records accompanying survey:	
Boat sheets .2; sounding vols. 8; w	vire drag vols. 0;
bomb vols; graphic recorder rolls	
special reports, etc none	F
(Note: Fathograms are for 6693 & 6694 to	gether filed under number 16694
The following statistics will be submitted rapher's report on the sheet:	with the cartog-
Number of positions on sheet	••••
Number of positions checked	• • • • •
Number of positions revised	••••
Number of soundings recorded	••••
Number of soundings revised (refers to depth only)	See sheet for work
Number of soundings erroneously spaced	See 1 wor.
Number of signals erroneously plotted or transferred	••••
Topographic details Time	••••
Junctions Time	••••
Verification of soundings from graphic record Time	••••
Verification by	Date
Review by Time	Date

FORM M-238

MEMORANDUM IMMEDIATE ATTENTION

SURVEY No. H 16693/ PHOTOSTAT OF No. T		received Jan. 19, 1943 registered Jan. 19, 1943 verified reviewed approved
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This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

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RETURN TO

 	R.W.Knox	
82	R.W.Knox	

NAUTICAL CHARTS BRANCH

SURVEY NO. H-6693 (1941 work)

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1-27-43	1264	H.F.S.	Applical Before After Verification and Review
5-8-44	/265	L.A.M.	Applied Before After Verification and Review
1			→ Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			M-2168-1

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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. HY-2347

REGISTER NO.

U. S. GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT TO ACCOMPANY

SURVEY NO. H-6693, ADDITIONAL WORK 1947. FIELD NO. HY-2347 Vicinity of East Pass, Choctawhatchee Bay, Florida

Fred. L. Peacock, Chief of Party-----Ship HYDROGRAPHER

Surveyed by : E. B. Latham and J. D. Thurmond

Scale : 1 : 20,000.

PROJECT:

CS-328, dated 26 September 1946.

SURVEY LIMITS AND DATES:

The limits of this survey correspond to the limits of Survey H-6693, 1941, scale. 1:20.000 with cross lines overlapping Survey H-6687, 1941, scale, 1:40,000. This survey was made on 10 June 1947.

VESSELS AND EQUIPMENT:

The Ship HYDROGRAPHER'S launches, CS-115 and CS-117 were used on this survey. The launches were operated from the ship. Soundings were taken with 808 depth recorders, Nos. 103-S and 101-S with the fish mounted alongside the keel of each launch. The range of depth was from 6 to 74 feet.

TIDE STATION:

Data from tide station at Destin, Florida, near the entrance to Choctawhatchee Bay were used in reducing soundings taken in this survey.

CONTROL STATIONS:

The basic control was an arc of second order triangulation executed by G. L. Anderson, Chief of Party, in 1935. Supplemental points were located on an aluminum sheet by planetable traverse. (π-7056/1947)

SHORELINE AND TOPOGRAPHY:

The shoreline and topographic details of the area of this sur-T-5479, T-5499 vey were located by topographic surveys Nos., T-5500, T-5501 and T-5526. These topographic surveys were made from air-photographs flown in 1934.

par.1 Review

SOUNDINGS:

The soundings of this survey were taken with 808 depth recorders on the footscale. Bar checks were taken at 10-foot intervals throughout the depth range. These bar checks were used to determine the combined instrumental and velocity corrections to be applied to the soundings. Settlement and squat corrections were determined by "First Method" as described in the Hydrographic Manual, paragraph 553, page 516.

CONTROL OF HYDROGRAPHY:

The hydrography executed during this survey was controlled by three-point fixes on shore objects.

COMPARISON WITH PRIOR SURVEYS: the 1941 work of the present survey.

This survey was made to determine, if possible, corrections to be applied to the 1941 launch survey in the area covered by Survey H-6693. A system of lines were run crossing the 1941 lines at an angle of approximately 45 degrees. These lines were extended into the 1941 ship hydrographic survey No. H-6687, scale 1:40,000. The soundings were corrected for tide, instrumental and velocity, and settlement and squat. These corrected soundings were plotted on a red line print of the smooth sheet of the 1941 launch survey. The 1941 ship soundings were transferred to this print.

Comparison between the 1947 launch soundings and the 1941 ship soundings indicate the ship soundings too deep by one foot.

The 1941 and the 1947 depths at each crossing were listed starting at the west end and extending to the east end of this survey. The 1941 depths were subtracted from the 1947 depths. The resulting differences were plotted on cross-section paper, using the differences as abscissas and the 1941 depths as ordinates. The area west of East Pass, Choctawhatchee Bay, was plotted separately from the area to the east of the pass.

The graphs of the western part of this survey indicate the following corrections should be made to the 1941 launch soundings:

X X
 Zero correction to 35 feet
Plus 1 foot to 72 feet.

The graphs for the eastern part of this survey indicate the following corrections should be made to the 1941 launch soundings:

Zero to 24 feet

Plus 1 foot to 41 feet

Plus 2 feet to 49 feet

Plus 3 feet to 61 feet.

Respectfully submitted,

E. B. Latham, Lt. Comdr., C.& G.S.

J. D. Thurmond, Lt. Comdr., O.& G. S.

Respectfully forwarded:

Fred. L. Peacock, Chief of Party, Captain, C. & G. S.

XX These corrections not used. Corrections applied are from a graph which furnishes separate corrections for each sounding day. Graph is filed with the sounding records of the present survey.

An abstract of the corrections applied appears on the following page-

44.13

CROSSING CORRECTIONS(FEET) (applied to 1941 soundings from the 1947 soundings)

Sounding Days	Dates	Correction	Range of Depths
A	7/27/41	0 1 2	0 - 25 25 - 56 56 - deepest
В	7/28/41	0 1	0 - 39 39 - deepest
С	7/29/41	0 1 2	0 - 42 42 - 54 54 - deepest
D	7/30/41	0 1 2	0 - 44 44 - 50 50 - deepest
Ē	7/31/41	0 1 2	0 - 52 52 - 57 57 - deepest
F	8/7/41	0 1 2	0 - 36 36 - 59 59 - deepest
G	8/8/41	0 1 2	0 - 24 24 - 40 40 - deepest
H J	8/20/41 8/21/41	0 1 2	0 - 35 35 - 50 50 - deepest
C'	8/28/41	0 1 2	0 - 20 20 - 29 29 - deepest
D'	8/29/41	0 1 2	0 - 20 20 - 37 37 - deepest
E!	9/6/41	0 1 2	0 - 20 20 - 26 26 - deepest
F'	9/7/41	0 1 2	0 - 20 20 - 55 55 - deepest
G'	9/9/41	0 1 2 3	0 - 33 33 - 44 44 - 51 51 - deepest

14 a. 13 a.

H' 9/10/41 0 0 - 33 1 33 - 44 2 44 - 51 3 51 - deepest

TIDE NOTE

The tide data from the auto-portable tide gage at Destin, Florida, near the entrance to East Pass, Choctawhatchee Bay were used in reducing the soundings taken during this survey. Geographic position of the tide gage, latitude 30°23'.6 N. Longitude 86°30'.2 W.

Mean low water on the staff was 2.33 feet above zero of staff.

STATISTICS TO ACCOMPANY HYDROGRAPHIC SURVEY H-6693, ADDITIONAL WORK 1947. . . FIELD NO. HY-2347

VESSEL	DATE	DAY	VOL.	POS.	STATUTE MILES SOUNDING LINE
CS-117	10 June	a	1	54	18.0
CS-115	10 June	8.	2	38	12.8
		то	TAL	92	30.8
	·				

CROSSING DATA TO ACCOMPANY SURVEY H-6693

ADDITIONAL WORK 1947. . FIELD NO. HY-2347

DEPTH AT CROSSINGS IN FEET.

Ship 1941	Launch 1947	Dif.	Launch 1941	Launch 1947	Dif.	Launch 1941	Launch 1947	Dif.
62 59 56 56 67 68 70 66 66 63 65 66 64 67 69 74	60 60 55 55 66 68 67 64 63 65 65 63 65 68 73	-2 1 -1 -1 0 -3 -2 -2 0 0 -1 -1 -1 -1 -1	27 27 29 31 32 32 33 34 37 38 34 37 38 40 43 44	27 28 30 31 32 33 34 37 38 34 37 38 39 40 42 46	011010000000010123	47 36 37 38 27 26 25 24 19 22 23 26 29 33	49 35 37 34 29 26 26 26 25 24 19 22 24 26 28 31 30 35	2 -1 0 1 1 -1 0 0 0 0 0 0 0 1 0 -1 2 0 0
Mean launch 1941 70 72 67 67 61 56 49 37 36 39 36 35 32 31 28 23 15 8 16 22 26	Launch 1947 68 73 68 65 57 50 40 37 39 37 34 33 32 31 28 23 16 8 19 22 25	-1 -2 11141131011000001030-1	43 50 66 68 35 36 13 22 89 31 33 33 35 36 38 38 40 44 45 51 52 52 51	45 52 167 135 35 36 15 12 18 29 31 36 35 37 38 41 44 47 51 52 52 52 52 52 52 52 52 52 52 52 52 52	22221310021000301010101020001	35 39 37 40 East 56 54 30 22 8 12 23 32 32 34 46 55 55 56 58 59 60 61	39 38 41 58 58 55 51 41 32 8 9 17 19 30 37 48 54 56 62 63 63 65	0 1 1

H7CROSSING DATA TO ACCOMPANY SURVEY H-6693
ADDITIONAL WORK 1947. .FIELD NO. HY-2347

DEPTH AT CROSSINGS IN FEET.

Launch 1941	Launch 1947	Dif.	Launch 1941	Launch 1947	Dif.
59 57 57 60 44 39 22 16 5 5 19 22 6 33 44 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	62 61 62 61 62 61 47 41 32 46 7 5 13 19 24 28 39 47 55 57 59 60 61	3542232010200022113422323	60 58 58 57 50 44 35 32 20 12 7 13 18 26 31 49 52 55 60 61	63 61 60 53 44 53 19 19 28 33 37 30 42 53 55 61 64 65	333330031114122211433444

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. June 1937

TIDE NOTE FOR HYDROGRAPHIC SHEET

DANIER EX XXX HYCROST APPROX AND APPRENEDBY:

November 12, 1947

Division of Charts: H. W. MURRAY

Plane of reference approved in 2 volumes of sounding records for

HYDROGRAPHIC SHEET 6693 (Additional work)

Locality - East Pass, Choctawhatcee Bay, Gulf Coast, Florida

Chief of Party: F. L. Peacock in 1947 Plane of reference is mean low water, reading 2.3 ft. on tide staff at Destin, East Pass 26.6 ft. below B. M. 1 (1941)

Height of mean high water above plane of reference is 0.6 foot.

Condition of records satisfactory except as noted below:

E.C. McKay

Section

Chief, Division of Tides and Currents.

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	Survey No. H-6693 and Additional work	د /ئ رى	No. Ord	to our	S Hotol	C. C	Tride Made	Cide of M	SCO WENDING	S. S	
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	Grayton Beach		·								3
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	Choctawhatches Bay						-		-	USGB	7
	Santa Rosa Island		-		<u> </u>	-		-	-		8
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	GEOGRAPHIC NAMES Survey No. Additional work 36693	/8	Charles Or	Straight C	D To The Control of t	Se la constitue de la constitu	draga Maga	Conde of	Mad H	N. S.	* /
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Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. Additional work (1947)

Records accompanying survey:

Boat sheets .2...; sounding vols. .2...; wire drag vols. .0...; bomb vols. 0....; graphic recorder rolls ..2...; special reports, etc. 2.Red lone prints of Survey H-6693 in two parts.

The following statistics will be submitted with the cartog-rapher's report on the sheet:

Number of positions on sheet	1,965
Number of positions checked	395
Number of positions revised	109
Number of soundings revised (refers to depth only)	4/2.
Number of soundings erroneously spaced	. /3.0
Number of signals erroneously plotted or transferred	0
Topographic details Tim	e
Junctions Tim Recomputed reduced and from corrections entered in records	e .72
Verification of soundings from graphic record Tim	

Verification by Marwell M. Rogero. Total time . 690hrs. Date . 19 May 1944

Reviewed by ... J. A. Dino more Time 32 hrs Date 27 May 1945

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-6693 2241 FIELD NO. HY-2347

Florida, Gulf of Mexico, Vicinity of Santa Rosa Island Surveyed in July - Sept. 1941 & June 1947 Scale 1:20,000 Project Nos. HT-236 and CS-328

Soundings:

Control:

808 Fathometer

Sextant fixes on shore signals

Chief of Party - W. M. Scaife and F. L. Peacock
Surveyed by - J. C. Tribble, W. B. Page, E. B. Latham;
J. D. Thurmond
Protracted by - J. D. Curd and R. C. Richard
Soundings plotted by - J. D. Curd and R. C. Richard
Verified and inked by - M. M. Rogers
Reviewed by - T. A. Dinsmore, May 27, 1949
Inspected by - R. H. Carstens

1. Shoreline and Signals

The shoreline east of long. 86° 31', originates with air photographic surveys T-5501, T-5526 (1934-35) and graphic control survey T-6856b (1941). The short section of shoreline shown in a dashed red line just west of long. 86° 31', is from the present survey. No shoreline is shown on the present survey west of long. 86° 01.3' because of extensive shoreline changes. These changes appear on photogrammetric correction sheets 336, 338 and 339 (1945) which furnish later information in the areas covered by air photographic surveys T-5500, T-5499 and T-5479 (1934) respectively.

The signal control is from graphic control surveys T-6856a & b, T-6857a (1941) and T-7056 (1947). The fixes for supplementary hydrographic signals are recorded in the sounding volumes of the present survey.

2. Sounding Line Crossings

Depths at crossings are generally in good agreement. Differences of 2 - 3 feet in depths of 60 feet occur in a few places. Such differences are attributed to slight inaccuracies in the corrections applied to the soundings of the 1941 work. The method of determining these corrections is explained on pages 11 and 12 of the Descriptive Report and the range of corrections is included therein.

3. Depth Curves and Bottom Configuration

Except for delineation of the low-water line the depth curves are complete. It was impracticable for the hydrographer to determine the low-water line because of its proximity to the shoreline and because of the low range of tide (0.6 ft.).

Sand ridges and troughs occur throughout most of the inshore area. Except for the undulations caused by these features, the bottom is smooth and for the most part slopes rather abruptly from the high-water line to depths of 30 feet. Minor bottom uneveness is noted in depths of 60 feet.

4. Adjoining Surveys

Adequate junctions were effected with H-6694 (1941-47) on the east, H-6687 and H-6689 (1941) on the south and H-4604 (1926-27) and H-5033 (1930) on the west. On the north within Choctawhatchee Bay, the junction with H-5806 (1935) is also adequate. In the entrance area, the present survey supersedes that portion of H-5806, which it overlaps. (Note: H-5806 is discussed further under par. 5c).

5. Comparison with Prior Surveys

a. H-1107 (1871) 1:20,000

H-1107 covers the passage from the Gulf into Chocta-whatchee Bay. Radical shoreline changes have taken place here. The old survey shows the passage entering from the Gulf about two miles eastward of the present passage (Long. 86° 31').

b. H-1309 (1876) 1:40,000 H-1373a (1877) 1:40,000

These early reconnaissance surveys show sounding lines spaced from one to two miles apart, running normal to the shoreline and terminating in inshore depths of about 16 feet. The meager comparison afforded between the prior and present soundings shows no appreciable change of bottom in offshore depths. The only important inshore change is the difference in location of the passage to the inland waters which

has been mentioned in the preceding paragraph.

c. <u>H-5806 (1935) 1:10,000</u>

This prior survey and the present survey overlap in the passage area previously referred to. A comparison between the two surveys discloses considerable differences. A general shoaling of from 1 to 3 ft. throughout this area has created marked changes in shoreline and some shifting of channels. The point of land flanking the present passage on the east has extended about 600 meters northwestward since 1935. A prior shoal-water passage in Long. 86° 29.3' has since filled-in, to ground above highwater.

Except for bottom characteristics which have been carried forward, the present survey is adequate to supersede the prior surveys within the common area.

6. Comparison with Chart 870 (Latest print date 9/1/47) Chart 871 (Latest print date 9/1/47) Chart 1264 (Latest print date 9/15/47)

A. Hydrography

Charted hydrography in the Gulf originates principally with the present survey prior to verification and review. Most of the smooth-sheet soundings have been revised during verification and therefore supersede the charted depths.

Within the Choctawhatchee Bay passage, charted depths are from prior survey H-5806 (1935) which needs no further consideration and Corps of Engineers Bp. 40342 (1945). The Engineer survey is subsequent to and supersedes the present survey (1941) work.

B. Dredged Channels

Present survey depths in the Choctawhatchee Bay passage are slightly deeper than the charted controlling depth of 6 feet (Chart Letter 228, 1947). The charted controlling depth is subsequent to and supersedes the present survey depths.

C. Aids to Navigation

The lighted buoy at Lat. 30° 22.67', Long. 86° 30.04', on the present survey is charted about 80 meters northwestward of its survey position (H.O. Notice to Mariners 2, 1948).

The front range light at lat. 30° 23.40', long. 86° 30.87', on the present survey is charted about 300 meters northwestward of its survey position (H.O. Notice to Mariners 52, 1947).

The rear range light at lat. 30° 23.62', long. 86° 31.00, on the present survey is charted about 140 meters southwestward of its survey position (H.O. Notice to Mariners 25, 1945).

Other aids shown on the present survey are in substantial agreement with those charted. All aids adequately mark the features intended.

D. Bridges

The present survey shows a vertical clearance of 38.5 ft. above M.H.W. for the highway bridge crossing the Choctawhatchee Bay Entrance as compared with a charted clearance of 40 feet. The 38.5 ft. agrees with the value published in the "Bridge Book".

7. Condition of Survey

- a. The sounding records and Descriptive Report are complete.
- b. Sufficient bar checks were not made during 1941 to adequately provide corrections for the reduction of soundings of that season's work. Crosslines were therefore run during 1947 for the purpose of determining corrections for the 1941 work. These corrections have provided agreement of depths at crossings and corrected unnatural delineation of the depth curves.
- c. The verifiers report indicates that the processing of this survey was only fair. Over 400 soundings were revised in depth as a result of rescanning portions of the fathograms. The positions revised and soundings erroneously spaced totaled about 240.
- d. No bottom characteristics were obtained on this inshore survey.

8. Compliance with Project Instructions

The survey adequately complies with the Project Instructions except as noted under paragraph 7d.

9. Additional Field Work

With the bottom characteristics retained from the prior surveys, this survey is considered basic and no additional field work is recommended.

Examined and approved:

Chief, Nautical Chart Branch

Casper M. Durgin Chief, Division of Charts

K. G. Crosby Chief, Section of Hydrography

Chief, Division of Coastal Surveys

NAUTICAL CHARTS BRANCH

survey no. 46693 Additional work

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
6-8-50	1264	mcglasson	Before After Verification and Review Completely
1/- 9-53	1115	Ear M Brognig	After Verification and Review Completely great thru clif 1264
			Before After Verification and Review
8/9/57	1265	Sa Mulam	Botoro After Verification and Review Completely applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
		·	Before After Verification and Review
			·
			M-2168-1

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

Applied to cht. 1264 before review Jan. 27, 1943 Nf. 1. " 1265 " " May 8, 1944 & a.m.